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In the Claims

Claims 1 - 33 (previously canceled).

Please amend claim 34 as follows:

34 (amended). In a data processing system with a host and a data storage facility including a cache memory, a standard storage device for receiving write commands and data from the host through the cache memory and a BCV mirror storage device for backing up the standard storage device wherein each of the storage devices comprises a plurality of tracks on a physical disk and the BCV mirror storage device operates either in a first, write-enabled, mirror mode for mirroring the first storage device or in a split mode isolated from the first storage device, a track identification table for each of storage device defining the status of the data in each track of the standard and BCV mirror storage devices, a data recovery program stored on a computer readable medium which when executed by a processor restores [for restoring] data in the standard storage device comprising:

- A) a program step for attaching the BCV mirror storage device in a read-only state to the standard storage device,

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- 20 B) a program step for identifying tracks to be restored
from the BCV mirror storage device to the standard
storage device, and
- C) a program module for initiating concurrent
restoration and updating of the data in each track to
25 be restored by performing the steps of:
- i) copying the data from the identified track in
the BCV mirror storage device to the cache
memory in response to the information in the
track identification table associated with the
30 standard storage device,
- ii) transferring update data received from the host
for the track to the cache memory, and
- iii) responding to a predetermined track status for a
standard storage device track by transferring
35 corresponding data from the cache memory to the
standard storage device.

35 (previously presented). A data recovery program as recited
in claim 34 additionally including a step of identifying
the locations in the standard storage device that are
altered during the updating procedure.

36 (previously presented). A data recovery program as recited
in claim 35 wherein each said update transfer comprises a

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5 writing process that writes data to the standard storage device and wherein said program additionally comprises a program step for monitoring the operation of the copying and writing processes to enable the restoration and update transfers.

37 (previously presented). A data recovery program as recited in claim 36 wherein each of the data storage devices maintains status information for monitoring the validity of the data in the storage locations of the standard and BCV mirror storage devices and wherein said step of data copying transfers data to a storage location in the standard storage device prior to a write operation whereby the status information for the standard and BCV mirror storage devices indicate that the data in those locations are invalid and valid, respectively.

38 (previously presented). A data recovery program as recited in claim 37 wherein each update transfer writes an entire storage location in the standard storage device and wherein the writing process causes the status information to indicate that the data in the standard and BCV mirror storage devices are valid and invalid, respectively.

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39 (previously presented). A data recovery program as recited
in claim 37 wherein an update transfer step writes a
portion of a storage location in the standard storage
device, said writing process causing the status
5 information to indicate that the data in the storage
locations in the standard and BCV mirror storage devices
are invalid and valid, respectively, whereby said copy
process initiates a transfer of the combined written data
and data from the BCV mirror storage device to the storage
10 location in the standard storage device.

40 (previously presented). A data recovery program as recited
in claim 37 wherein each of the data storage devices has
associated status information for monitoring the validity
of the data in the storage locations of the standard and
5 BCV mirror storage devices and wherein an update transfer
step writes data to a storage location in the standard
storage device prior to the restoration procedure, the
transfer of data to a location in the standard storage
device by the writing process being dependent upon an
10 indication in the status information of valid data in the
standard storage device location.

41 (previously presented). A data recovery program as recited
in claim 37 wherein each of the data storage devices has

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5 associated status information for monitoring the validity
of the data in the storage locations of the standard and
BCV mirror storage devices and wherein an update data
transfer step writes data to a portion of a storage
location in the standard storage device prior to the
restoration procedure, the writing process leaving the
status information unchanged whereby subsequently the copy
10 process initiates a transfer of the combined data in the
corresponding location of the BCV mirror storage device
and the written data to the location in the standard
storage device.

42 (previously presented). A data recovery program as recited
in claim 41 wherein said data copying additionally
includes the step of causing the status information for
the storage locations in standard and BCV mirror data
5 storage devices to assume invalid and valid states,
respectively.

43 (previously presented). A data recovery program as recited
in claim 34 wherein said copying of data by the
restoration procedure includes an identification of all
the data in the BCV mirror storage device.

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44 (previously presented). A data recovery program as recited
in claim 34 wherein the standard and BCV mirror storage
devices are further characterized by a second
identification of data that reflects changes in the
standard storage device after the BCV mirror storage
device transfers to the second operating mode, said first
identification of data to be transferred by the
restoration procedure being set to correspond to the
second identification.

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